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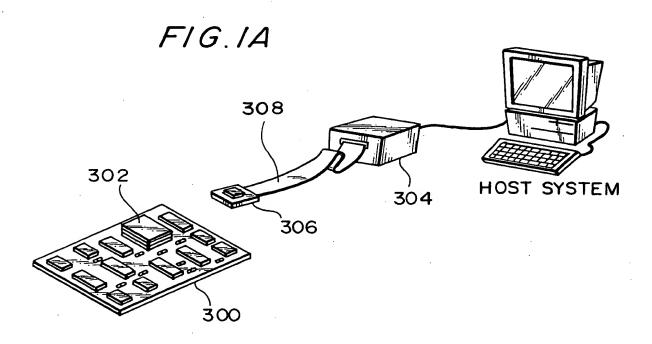
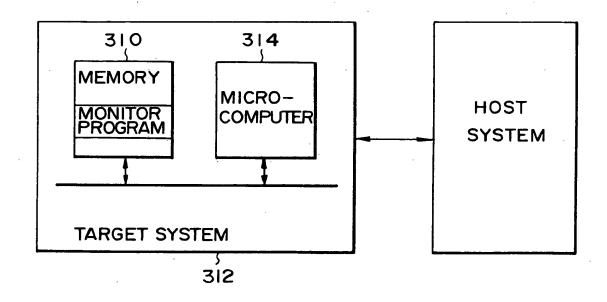
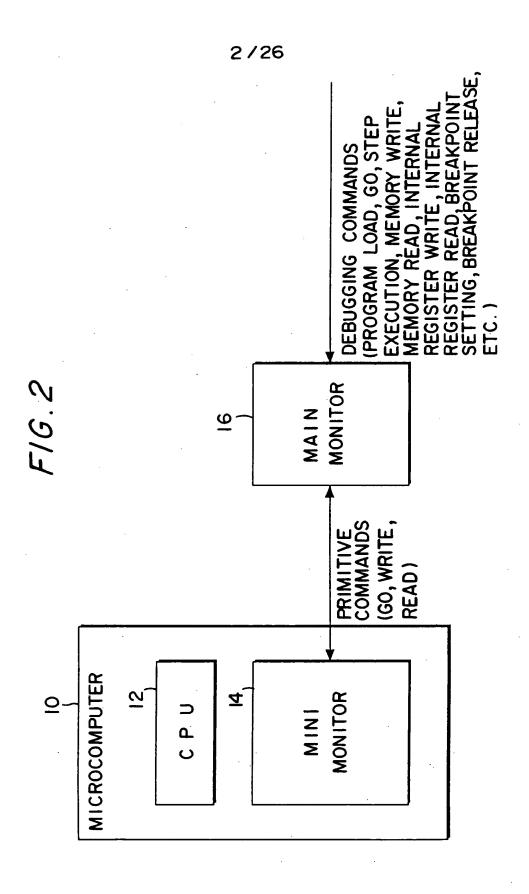


FIG. 1B





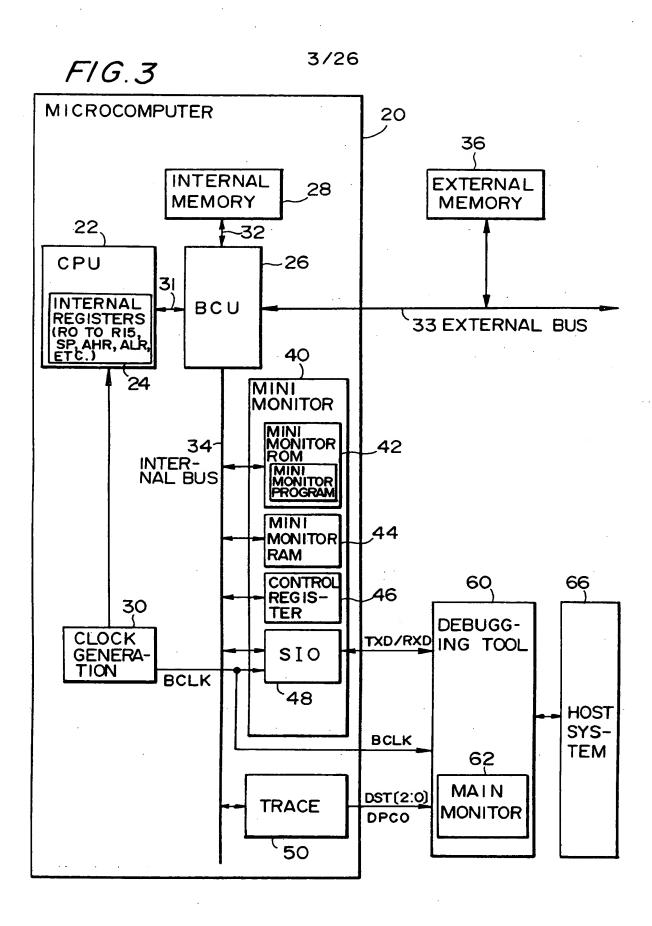
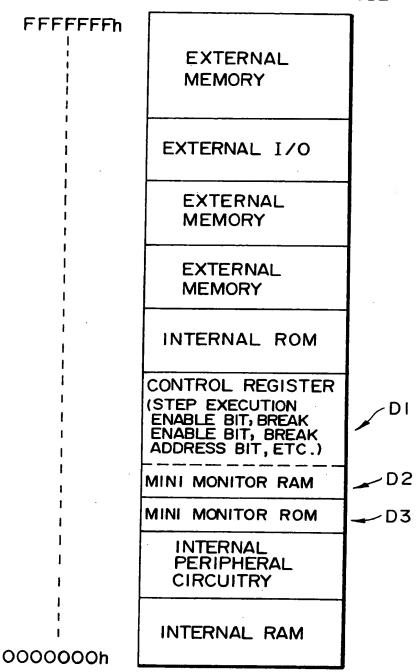




FIG. 4

MEMORY MAP IN DEBUGGING MODE



F1G.54

PROGRAM LOAD

----, OR ----WRITE(80010h, ADD ---, SUB -80010h,12 BYTES,ADD ---, SUB ---

AND ---, OR --- , XOR ---, LD.W ---

+WRITE(80018h, XOR---, LD.W ---

STEP EXECUTION

F1G.5B

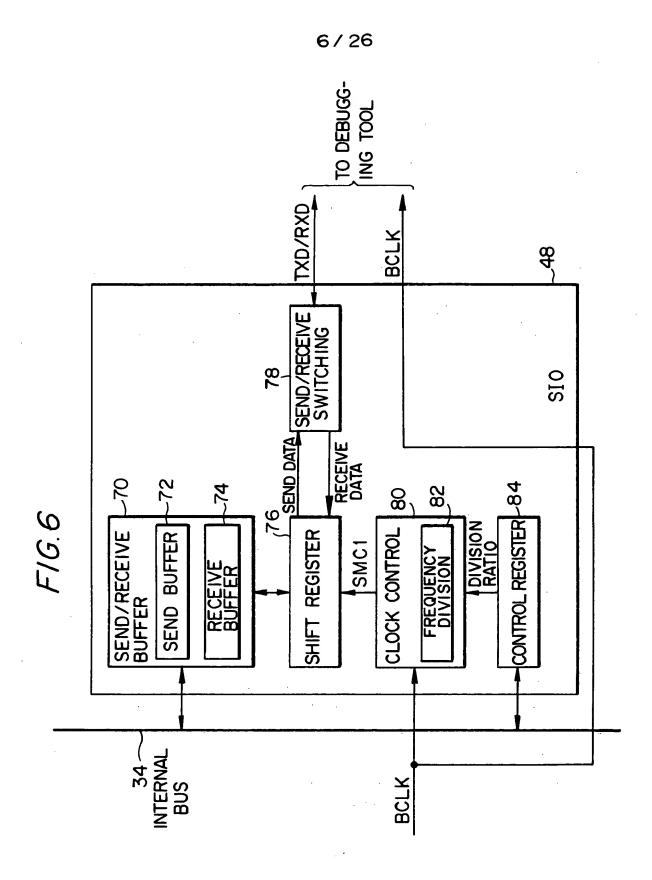
WRITE TO STEP EXECUTION ENABLE BIT OF CONTROL REGISTER

INTERNAL REGISTER READ - READ MONITOR RAM ON MEMORY MAP

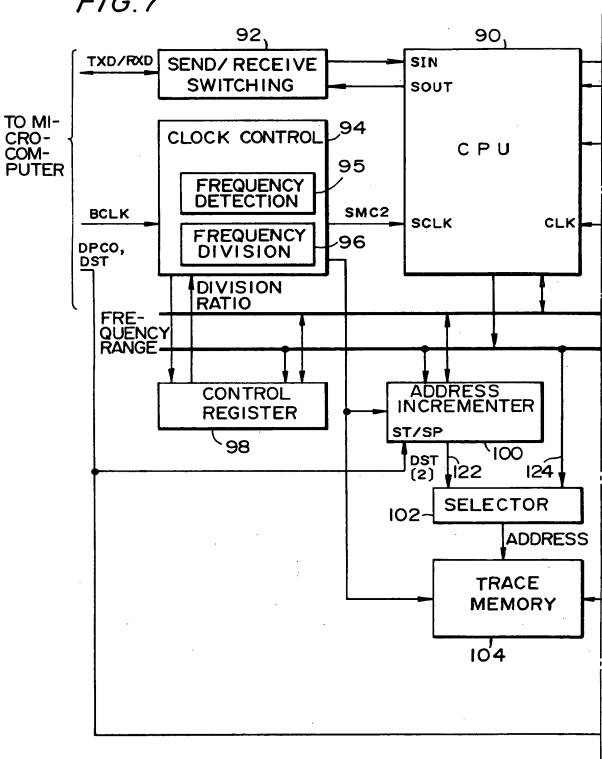
BREAKPOINT SETTING F/G.5D

F1G.5C

WRITE TO BREAK ENABLE BIT AND BREAK ADDRESS BIT OF CONTROL REGISTER ĵ







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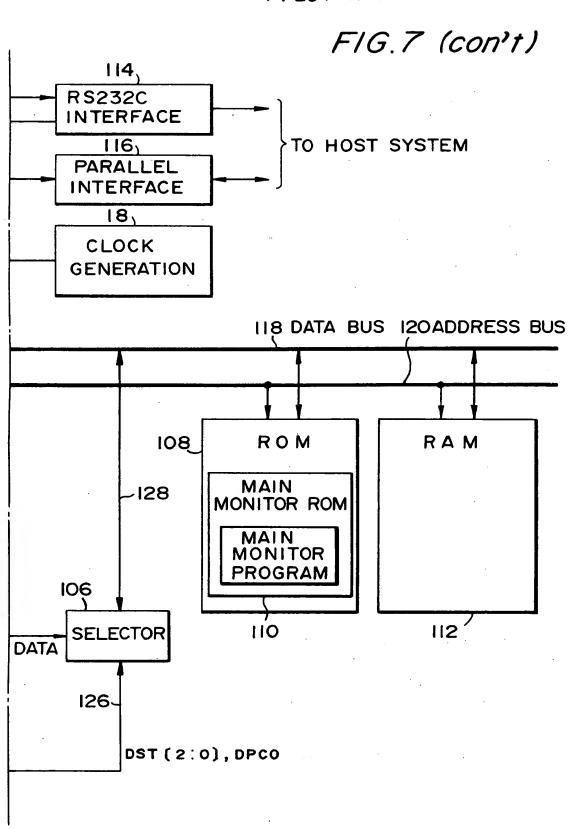


FIG.8A

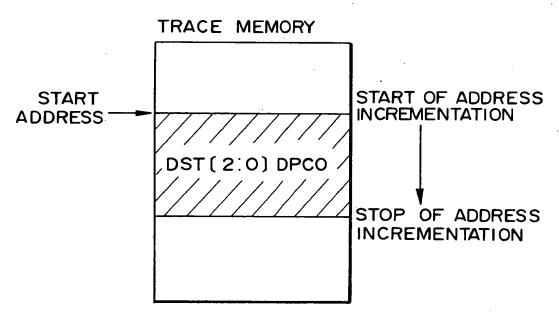
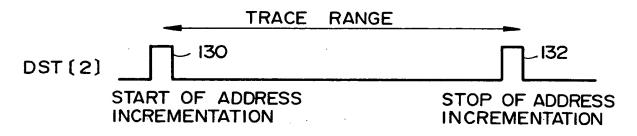


FIG.8B



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FIG. 9A

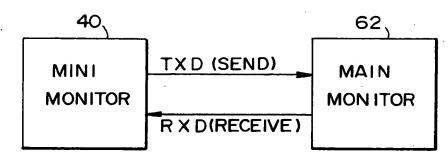


FIG.9B

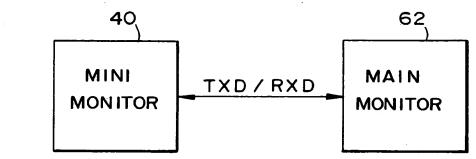


FIG.9C

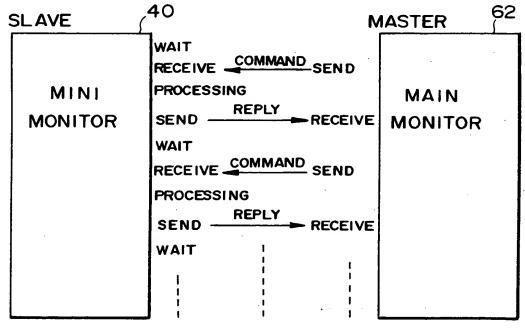


FIG. IOA DATA FORMAT

| ID | I BYTE ` | |
|-----------|----------|-----------------------------------|
| DATA SIZE | I BYTE | |
| ADDRESS | 4 BYTES | FIXED LENGTH DATA OF 14 BYTES |
| DATA 1 | 4 BYTES | OF THE BITTES |
| DATA 2 | 4 BYTES | |

FIG. IOB GO COMMAND

| h | RECEIVE DAIA |
|---|--------------|
| | 00h |
| | |
| | |
| | |

NO SEND DATA.
SHIFT TO EXECUTION

FIG. IOC WRITE COMMAND

OIH

WRITE
ADDRESS
WRITE DATA 1
WRITE DATA 2

| SEND DATA |
|-----------|
| |
| |
| · |
| Olh |
| |

FIG. IOD READ COMMAND

| ł | RECEIVE DATA |
|---|--------------|
| | 02h |
| | |
| | READ ADDRESS |
| | |
| | |

| SEND DATA |
|-------------|
| |
| |
| |
| READ DATA 1 |
| READ DATA 2 |

FIG. I IA

EXTERNAL ROUTINE JUMP COMMAND

| F | RECEIVE DAT | Α : | SEND DATA | |
|---|-------------|--------------------------------------|-----------|--|
| | 03h | | | |
| | 18h | (DATA FOR CHECK- ING MALFUNCTION) | | |
| | %R12 | (ROUTINE ADDRESS) | | |
| | %RI3 | (WRITE DATA) | % R10 | (RETURN VALUE. WHEN IT IS ZERO, PROGRAM NORMALLY |
| | %RI4 | (DATA ADDRESS) | | TERMINATES) |

FIG. I IB

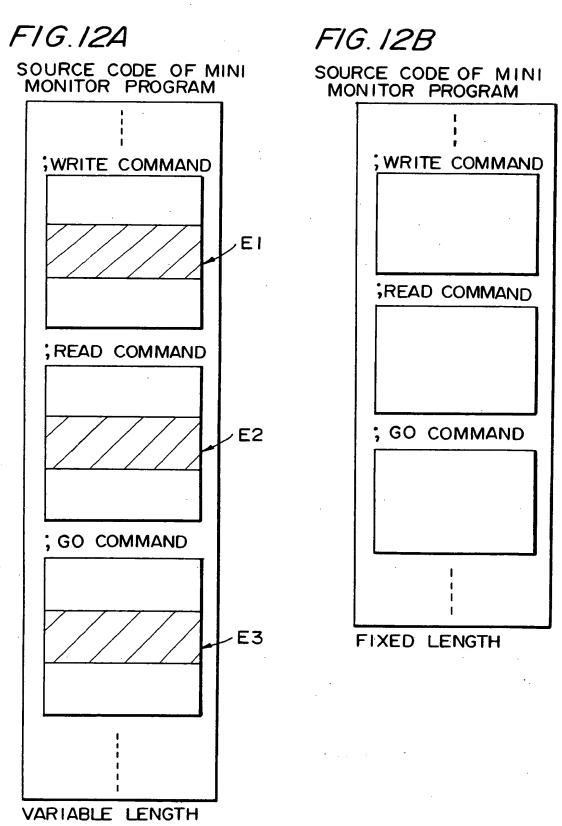
DATA FILL COMMAND

| \Box | _ | ~ | | 1 1 | | - | . — | а. |
|--------|---|--------|---|-----|---|-------|-------|----|
| ĸ | _ | ١. | _ | W | Έ | 1)/_ | \T/ | |
| ,, | _ | \sim | _ | | _ | | ~ , , | - |

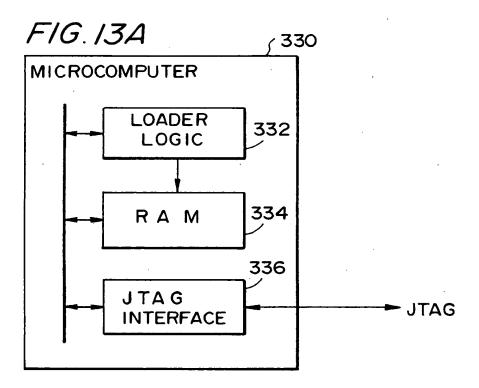
| 04 h |
|------------------|
| 1,2,4 |
| START ADDRESS |
| FILL NUMBER |
| FILL PATTERN |

SEND DATA

| - 0 |
|-----|
| |
| |
| 04h |
| |



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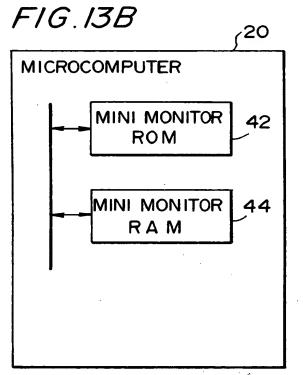


FIG. 14A

See Non 6.3 OLASSITES 537

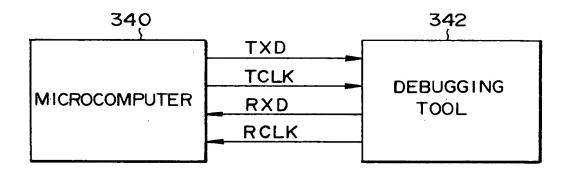
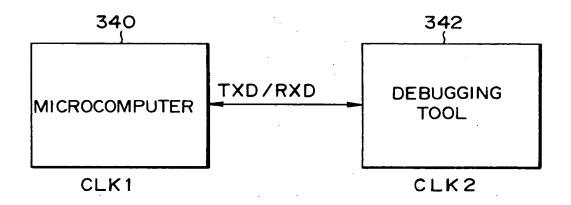
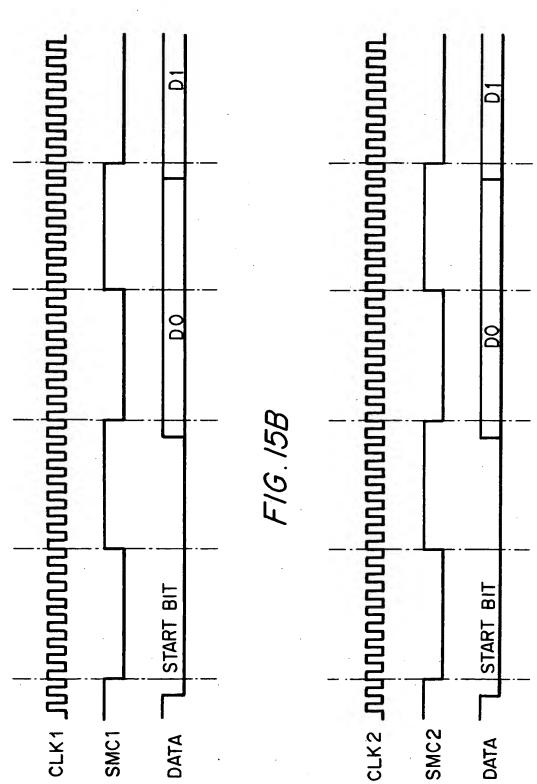


FIG. 14B



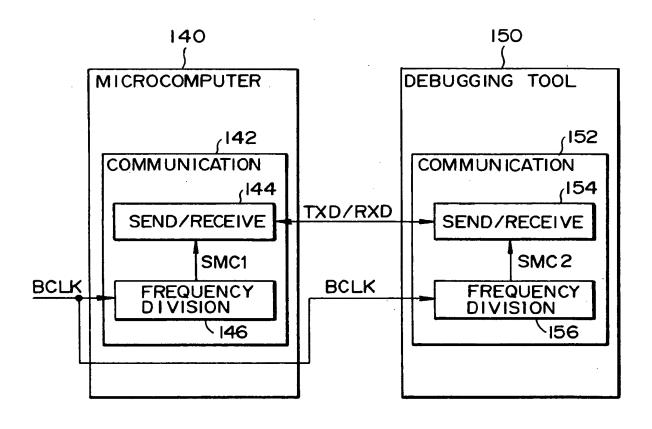
F16.154

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SAGE NOW SEE CLARLE

FIG. 16



F1G. 17A

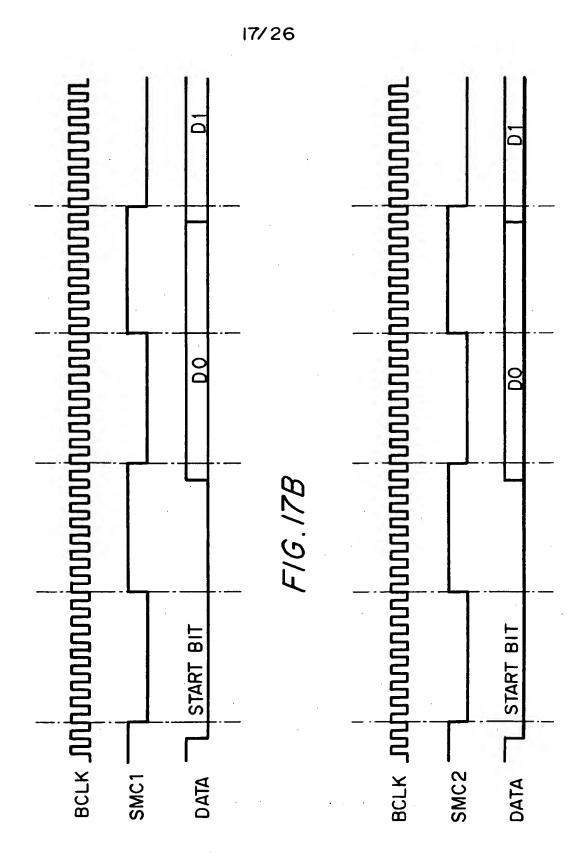
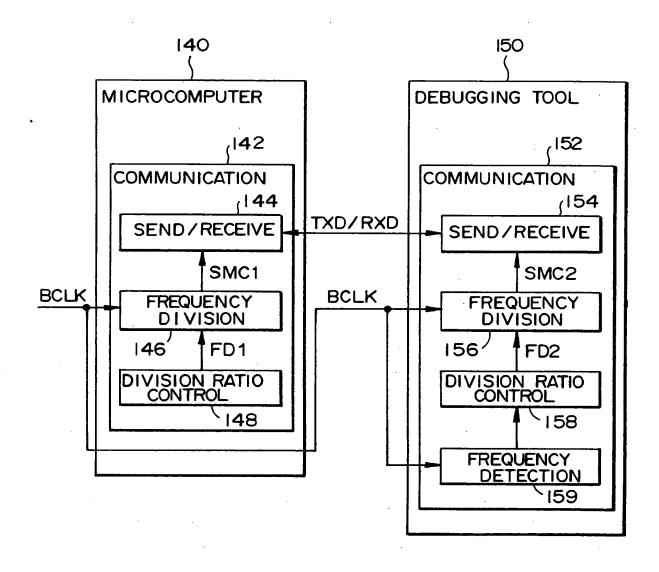
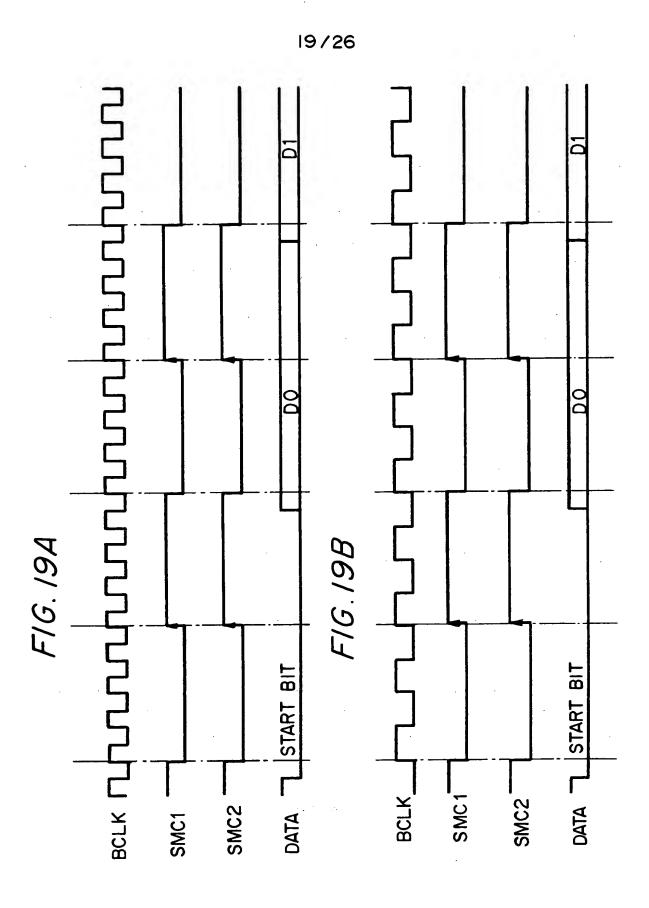
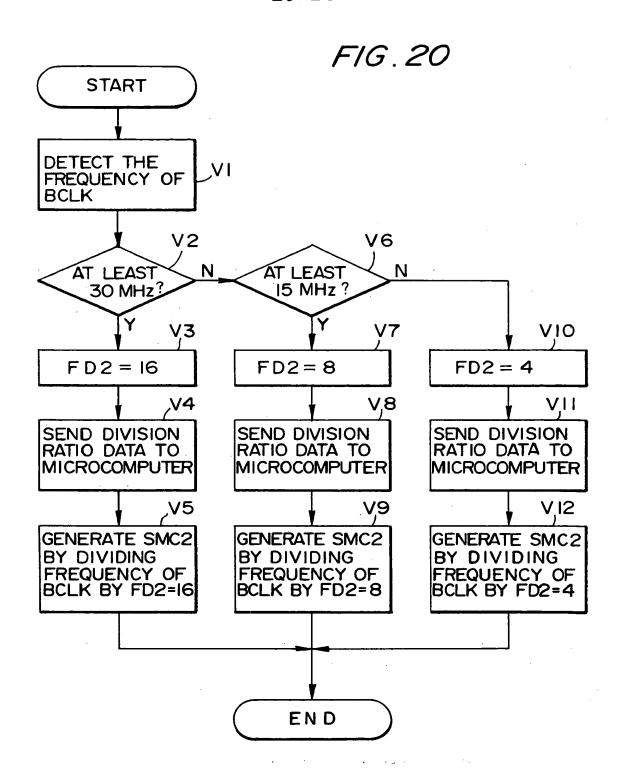


FIG. 18







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FIG. 21

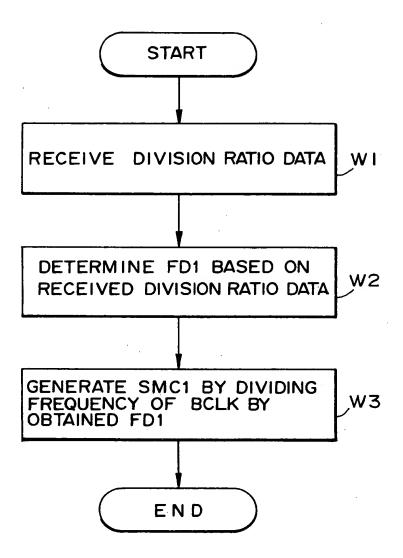


FIG.22

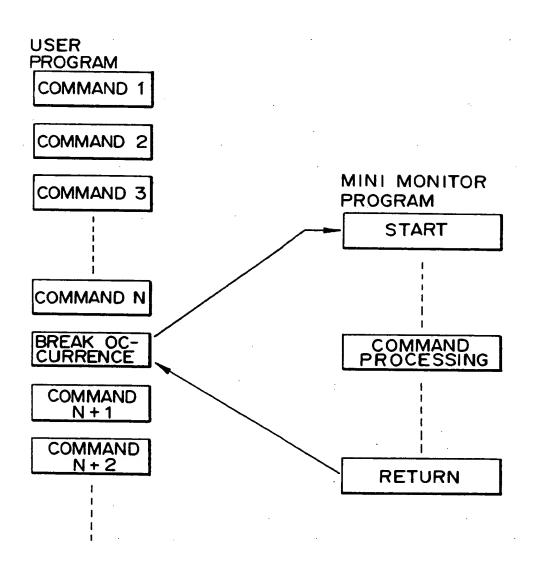
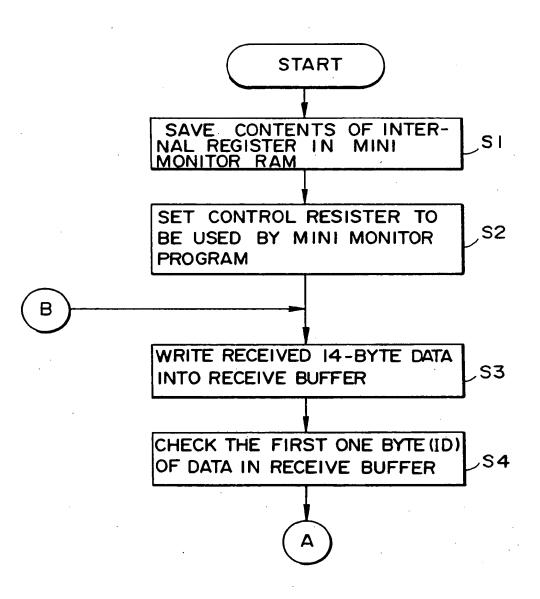
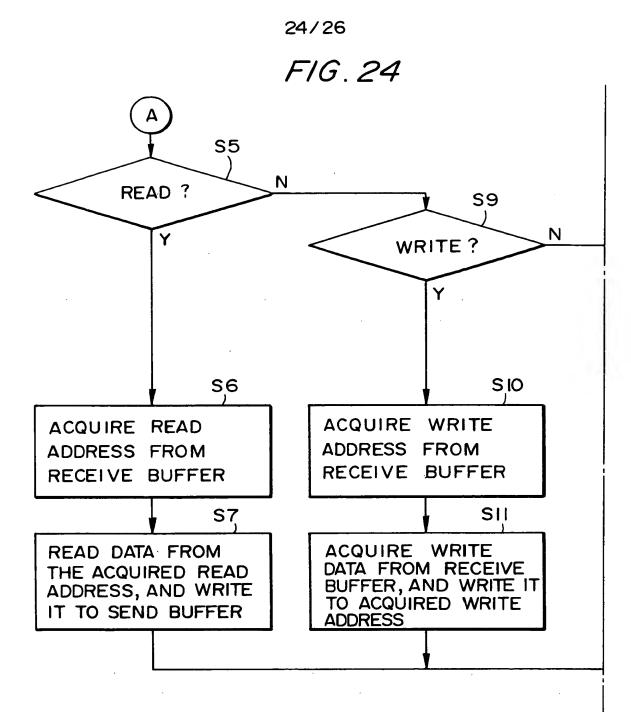


FIG.23





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